

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An air conditioning system, comprising:
an air handler containing a an AC blower motor for movement of air past a cooling coil; and a speed control adapted to accelerate the removal of moisture within the air being conditioned, the speed control:
 - (i) operating only the blower motor of the air handler at a first speed for a delay period when the cooling coil is energized and then operating the blower motor at a second speed that is higher than the first speed without varying a voltage applied to the blower motor, the difference between the first speed and the second speed being sufficient selected such that more to accelerate the removal of moisture is removed from within the air being conditioned at the first speed than at the second speed; and
 - (ii) operating the blower at the first speed during every cooling cycle.
2. (Previously presented) The air conditioning system of claim 1 wherein the speed control further comprises a time delay circuit that is adjustable.
3. (Previously presented) The air conditioning system of claim 2 wherein the first speed is substantially fixed.
4. (Previously presented) The air conditioning system of claim 2 wherein the time delay circuit causes the blower motor to operate at the first speed for the delay period at the start of a cooling cycle.
5. (Previously presented) The air conditioning system of claim 4 wherein the delay period is adjustable from about 5 minutes to about 10 minutes.
6. (Cancelled).
7. (Previously presented) The air conditioning system of claim 1 further comprising:

an outside air damper for selective introduction of outside air into the air conditioning system; and

a humidistat for operational control of the outside air damper to close the outside air damper upon detection of an excessive humidity level in the air being conditioned;.

8. (Previously presented) The air conditioning system of claim 1 wherein the speed control comprises a time delay circuit for controlling the delay period and a single pole, double -throw relay for switching the fan blower from the first speed to the second speed.

9. (Previously presented) The air conditioning system of claim 1 wherein speed control is interconnected with a furnace circuit board, the speed control and furnace circuit board being configured to operate the blower motor.

10. (Original) The air conditioning system of claim 7 further comprising return air ductwork for carrying conditioned air from the structure back into the air conditioning system, and wherein the humidistat is mounted within the return air ductwork.

11. (Cancelled)

12. (Cancelled)

13. (Currently Amended) A method of conditioning air within a structure comprising:
energizing a cooling coil;
accelerating the removal of moisture from the air by operating only a an AC blower motor at a first speed for a predetermined time period to move air past the cooling coil;
operating only the blower motor at a second speed after said predetermined time period has elapsed to move air past the cooling coil, the second speed being greater than the first speed, the difference between the first speed and the second speed being selected such that more moisture is removed at the first speed than at the second speed

and the difference substantially prevents moisture from building up in the structure sufficient to accelerate the removal of moisture within the air being conditioned; and operating the blower at the first speed during each cooling cycle; changing a speed of the blower motor without varying a voltage applied to the blower motor.

14. (Original) The method of claim 13 further comprising the steps of:
detecting a humidity level within conditioned air; and
limiting entry of outside air into the conditioned air by closing off an outside air damper upon detection of a predetermined humidity level.
15. (Original) The method of claim 13 wherein the predetermined time period is from about 5 minutes to about 7 minutes.
16. (Currently Amended) The method of claim 13 wherein the first speed is substantially fixed.
17. (Previously presented) The method of claim 13 further comprising adjusting the predetermined delay period.
18. (Previously presented) The method of claim 13 further comprising selectively introducing outside air into the air conditioning system using an outside air damper.
19. 19. (Currently Amended) A control unit for controlling an air conditioning system having a condensing unit having cooling coils, an air handler having ~~a~~ an AC blower motor for blowing air across the cooling coils, the control unit comprising:
a control circuit configured to control the speed of only the blower motor, the control circuit being further configured to operate the blower motor at a first speed for a predetermined period, and then operate the blower motor at a second speed greater than the first speed without varying a voltage applied to the blower motor, the difference between the first speed and the second speed being selected such that more moisture is removed at the first speed than at the second speed ~~sufficient to accelerate the removal~~

~~of moisture within the air being conditioned~~, the control circuit operating the blower motor and the first speed during each cooling cycle.

20. (previously presented) The control unit of claim 19 wherein the first speed is substantially fixed.

21. (Previously presented) The control unit of claim 20 further comprising a humidistat mounted within a return air ductwork that measures the amount of moisture in the air being conditioned.

22. (Previously presented) The control unit of claim 20 wherein the control circuit is configured to introduce outside air into the air conditioning system by operating an outside air damper.

23. (Previously presented) The control unit of claim 19 further comprising a time delay circuit for controlling the delay period and a single pole, double-throw relay for switching the fan blower from the first speed to the second speed.